



## Annual Report of Medical Department, Brunei, for the Year 1928

### STAFF.

DOCTOR J. H. BOWYER, B.A., M.B., B.Ch., B.A.O., D.T.M. and H. was in charge of the Department during the year, paying routine monthly visits from Labuan and remaining on an average about 20 hours each visit. In addition Doctor BOWYER was available for urgent visits to Brunei and saw patients for the Brunei Government in Labuan.

LEONG AH NG was the dresser in charge.

ABDUL KHAN was a vaccinator and travelling Dresser.

In addition to this staff the Chief Police Officer Mr. G. A. McAfee acted as Registrar of Births and Deaths and PENGIRAN KAMIS Sanitary Inspector throughout the year.

### FINANCIAL.

	\$	c.
Revenue through sale of drugs ...	293	50
Expenditure including personal Emoluments ... ...	3,360	00
Contribution to Labuan Hospital ...	100	00
Purchase of medicines ... ...	1,398	52
Annual Salary for Sanitary Inspector	330	00
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Total Expenditure ...	5,188	52
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### PUBLIC HEALTH.

Total population is 35,672 as against 39,090 in 1927. The decrease 3,418 is probably due to rubber slump and most of the labourers leaving the estates.

Deaths totalled 952 as against 1,270 in 1927.

The death-rate is 26.68 per mille against 35.05 in 1927.

The total infantile mortality is 387 as against 540 in 1927. Infantile mortality rate is 360.3 per mille as against 417.8 per mille in 1927.

Total Births in 1928—1,074 (529 males and females 545) as against 1,292 (702 males and 590 females) in 1927. The birth-rate per mille of population 1928—30.10 as against the birth-rate of 33.05 per mille in 1927.

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There were 2,702 cases treated at the Government Dispensary and Out-Stations.

Cases are summarised as :—

Malaria	...	...	...	248
Ulcers	...	...	...	424
Round-worms	...	...	...	158
Bronchitis	...	...	...	114
Diarrhoea	...	...	...	87
Other Diseases	...	...	...	1,671
				2,702

Brunei Out-Patients	...	...	...	1,149
Government Services	...	...	...	400
Police	...	...	...	300
Prisoners	...	...	...	155
Customs	...	...	...	38
Out-Stations	...	...	...	660
				2,702

One hundred and ten cases were admitted into Labuan Hospital from Brunei estates

The Table showing the cases admitted into Labuan Hospital with following diseases :—

#### Classification.

#### EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES—

		Case	Died
Malaria Coma	...	1	1
Fever Unspecified	...	4	—
Malaria cachexia	...	8	—
Gonorrhœa	...	6	—
Malaria B. T.	...	1	—
Pulmonary Tuberculosis	...	1	1
Congenital Syphilis	...	1	1
Secondary Syphilis	...	3	—
Dengue	...	1	—
AFFECTIONS OF THE NERVOUS SYSTEM—			
Neuritis	...	5	—
Infantile Convulsions	...	1	1
DISEASES OF THE DIGESTIVE SYSTEM—			
Diarrhoea	...	2	1
OTHER FORMS OF MENTAL ALIENATIONS—			
Observations	...	4	1 died of Senility
Carried forward	...	38	6

	<i>Cases</i>	<i>Died</i>
<i>Brought forward</i>	38	6

## AFFECTIONS PRODUCED BY EXTERNAL CAUSES—

Stab wound	...	...	I	I
Wounds superficial	...	...	5	—

## AFFECTIONS OF THE RESPIRATORY SYSTEM—

Bronchitis	...	...	I	—
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## DISEASES OF THE LARYNX—

Laryngitis	...	...	I	—
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## DISEASES (NON-VENEREAL) OF THE GENITAL ORGANS OF MAN—

Epididymitis	...	...	I	—
Orchitis	...	...	I	—

## DISEASES DUE TO INTESTINAL PARASITES—

Ankylostomiasis	...	...	5	—
Ascariasis	...	...	7	—

## AFFECTIONS OF THE CELLULAR TISSUES AND SKIN—

Abscess	...	...	3	—
Scabies	...	...	I	—
Cellulitis	...	...	I	—

## OTHER DISEASES OF THE SKIN—

Eczema	...	...	I	—
Ulcers	...	...	10	—

## OTHER AFFECTIONS OF THE KIDNEY—

Retention of Urine	...	...	2	—
Nephritis	...	...	2	—

## DISEASES NOT MENTIONED ABOVE—

Anæmia	...	...	2	—
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## AFFECTIONS OF THE STOMACH—

Colitis	...	...	I	—
Enteritis	...	...	3	—
Gastritis	...	...	I	—

## DISEASES OF THE EYE—

Conjunctivitis	...	...	3	—
Corneal Ulcer	...	...	I	—

## DISEASES OF THE VEINS—

Hæmorrhoids	...	...	I	—
N. A. D.	...	...	18	—

Total	...	110	7	—
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## DISPENSARY AND OUT-PATIENTS.

A total of 2,702 were treated in Brunei Government Dispensary and Out-Stations against 2,482 in 1927. Most of these cases were amongst Government Servants. (Police, Prisoners and Customs Employees.)

## VACCINATIONS.

There were 757 vaccinations performed in Brunei and Out-Stations in 1928 as against 1,245 in 1927. These figures were compared to 1,074 births in 1928 as against 1,292 in 1927.

The vaccination is much less this year owing to the Epidemic of skin diseases in the District of Tutong.

## SCHOOL EXAMINATION.

There were 96 boys examined at Brunei School of these, 8 showed enlarged Spleen, with a percentage of 8·3 as against 5·5 in 1927. The general health of the boys was good.

## NATIVE POLICE.

Table showing the sick, invaliding, etc., of Police Force:—

Total number Resident ...	...	59
Average number Resident	...	59
Total number on sick list	...	49
Total number of days on sick list ...	238	
Average daily number on sick list	...	.65
Percentage of sick to average number Resident ...	...	5 to 6
Average number of days on sick list for each patient	...	4.9
Average sick time to each Resident	4.	
Total number invalided	...	1.
Total Deaths	...	1.
Number of cases of sickness contracted away from Residence ...	Nil.	

## EUROPEAN OFFICIALS.

There are only four in Brunei.

Table showing the sick, invaliding, etc., of European Officials :—

Total number Resident ...	...	4
Average number Resident	...	4
Total number on sick list	...	2
Total number of days on sick list ...	...	12
Total number of deaths	...	Nil.

## NATIVE OFFICIALS.

Table showing the sick, invaliding and deaths-rate of Native Officials other than Police :—

Total number Resident ...	...	123
Average number Resident	...	116
Total number on sick list	...	63
Total number of days on sick list ...	...	179
Average daily number on sick list	...	0.49
Percentage of sick to average number Resident	...	0.54
Average number of days on sick list for each patient ...	...	2.84
Average sick time to each patient ...	...	1.54
Total number invalidated ...	...	1
Total deaths	...	1

Number of cases of sickness contracted away from Brunei-nil.

## GENERAL EUROPEAN POPULATION.

There were 55 Europeans resident in Brunei on the average, some of these are not continuously resident, amongst such there were cases of Ptomaine Poisoning, Sore throats, etc.

## GENERAL.

A Hospital for 3rd class patients was commenced in November for about 30 beds and is nearing completion.

## IMMIGRANT.

Fourteen thousand and nine persons entered the State from other countries and 17,549 left.

## METEOROLOGICAL RETURN FOR THE YEAR OF 1928.

## THERMOMETER MEAN (IN SHADE).

<i>January</i>		<i>Maximum</i>	<i>Minimum</i>	<i>Rainfall (Inches)</i>	
				<i>Meter</i>	<i>Gauge</i>
January	...	84.48	76.58	12.09	13.14
February	...	84.24	77.06	11.13	12.23
March	...	85.06	76.12	4.66	5.00
April	...	86.00	76.33	11.67	12.81
May	...	86.35	76.45	6.30	6.89
June	...	87.00	76.76	5.63	6.21
July	...	86.48	76.41	8.26	8.86
August	...	86.97	76.16	6.42	6.85
September	...	86.36	76.26	7.75	8.57
October	...	84.64	76.29	16.75	18.50
November	...	85.86	76.73	15.90	17.51
December	...	85.35	76.83	13.63	14.96
		1028.79	917.98	120.19	131.53
Mean Temperature	85.73		76.49		

## SANITATION.

The Health Conditions on many of the Estates continued to be far from satisfactory and this will be one of the most important problems to be tackled by the Resident Medical Officer who is to be appointed early next year.

J. H. BOWYER,  
*Medical and Health Officer.*



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